

Machine Learning Workflow

A systematic approach to solving data-driven problems effectively

STEP 1

Define the problem clearly

Identify the project's objective, stakeholders, and key performance indicators (KPIs) to guide your efforts effectively.

STEP 2

Gather relevant data

Collect data from various sources

ACCUMULATE DATASETS THAT ARE PERTINENT TO THE PROBLEM AT HAND, ENSURING A COMPREHENSIVE UNDERSTANDING OF THE CONTEXT.

Step 3

Preprocess the data

CLEAN AND PREPARE YOUR DATASETS

Address missing values, normalize, and encode data to ensure that it is ready for analysis and modeling.

Step 4

DEVELOP THE MODEL

Select and optimize your machine learning model

Choose an appropriate model, split your data into training and testing sets, and tune hyperparameters for optimal performance.